

Serial No. 10/630,267
67028-014

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Horst Schmidt
Serial No.: 10/630,267
Filed: July 30, 2003
Examiner: Fontaine, Monica A.
Group Art Unit: 1732
Title: MATERIAL VOLUME COMPENSATION ASSEMBLY FOR A MOLD TOOL

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Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR RECONSIDERATION

Sir:

This paper is responsive to the Final Office Action mailed on November 16, 2005.

CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, 571-273-8300 on January 16, 2006.


Amy M. Spaulding

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how much of a compression is required to provide a desired density of a die cast part. However, Suzuki et al. does not disclose the step of determining an amount of material that should be received within a passage based on a relationship between material shrinkage and injection pressures. Suzuki et al. merely repeats known formulas for determining material shrinkage, however this is not what the claim requires. The claim requires more, which is relating material shrinkage to a volume required to be received within a passage. Suzuki et al. does not disclose this specific step and therefore the combination does not suggest the limitations of claim 30. Accordingly, Applicant requests reconsideration and withdrawal of this rejection.

Claim 36 was rejected as being obvious over Machida in view of Suzuki et al. and Ditto (U.S. 4,076,788). Claim 36 requires the steps of determining a volume of material required to compensate for material shrinkage according to a relationship between material shrinkage and injection pressure utilized to introduce molten plastic into the mold cavity. Suzuki does not disclose this step, but only known formulas to determine material shrinkage. However, the specific step of determining a volume of material required to compensate for material shrinkage according to a relationship between material shrinkage and injection pressures is not shown. Accordingly, the proposed combination does not disclose or suggest the limitations of claim 36.

Claim 37 was indicated as being allowable if rewritten in independent form. Applicant has done so. Further claims 33 and 34 were indicated as being allowable.

All objections and rejections have been addressed, Applicant requests reconsideration of the claims as they are believed now in condition for allowance. A notice to such effect is respectfully requested. The Commissioner is authorized to charge Deposit Account No. 50-1482, in the name of Carlson, Gaskey & Olds, P.C., \$100.00 for one additional independent claim. No additional fees are required. If any additional fees are due, however, the Commissioner is authorized to charge Deposit Account No. 50-1482, in the name of Carlson, Gaskey & Olds, P.C., for any additional fees or credit the account for any overpayment.

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Respectfully Submitted,

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